

# Every Drop Counts

## Project Learning Tree Activity #38

### Program of Studies

#### Science:

- S-4-SI-2 (Use simple equipment (e.g., plant lights), tools (e.g., rulers, thermometers), skills (e.g., describing), technology (e.g., electronic media), and mathematics in scientific investigations.)
- S-4-SI-3 (Use evidence (e.g., descriptions) from simple scientific investigations and scientific knowledge to develop reasonable explanations.)
- S-4-SI-4 (Design and conduct different kinds of simple scientific investigations.)
- S-4-SI-5 (Communicate (e.g., graph, write) designs, procedures, and results of scientific investigations.)
- S-5-SI-2 (Use appropriate equipment (e.g., watches), tools (e.g., rain gauges), techniques (e.g., classifying), technology (e.g., calculators), and mathematics in scientific investigations.)
- S-5-SI-3 (Use evidence (e.g., classifications), logic, and scientific knowledge to develop scientific explanations.)
- S-5-SI-4 (Design and conduct different kinds of scientific investigations to answer different kinds of questions.)
- S-5-SI-5 (Communicate (e.g., draw, speak) designs, procedures, and results of scientific investigations.)
- S-6-SI-2 (Use appropriate equipment (e.g., binoculars), tools (e.g., beakers), techniques (e.g. ordering), technology (e.g., calculators), and mathematics in scientific investigations.)
- S-6-SI-3 (Use evidence (e.g., orderings, organizations), logic, and scientific knowledge to develop scientific explanations.)
- S-6-SI-4 (Design and conduct different kinds of scientific investigations to answer different kinds of questions.)
- S-6-SI-5 (Communicate (e.g., speak, write) designs, procedures, and results of scientific investigations.)
- S-7-SI-2 (Use appropriate equipment (e.g., spring scales), tools (e.g., spatulas), techniques (e.g., measuring), technology (e.g., computers), and mathematics in scientific investigations.)
- S-7-SI-3 (Use evidence (e.g., measurements), logic, and scientific knowledge to develop scientific explanations.)
- S-7-SI-4 (Design and conduct different kinds of scientific investigations to answer different kinds of questions.)
- S-7-SI-5 (Communicate (e.g., write) designs, procedures, and results of scientific investigations.)

#### Health:

- HE-4-CD-3 (Determine ways in which goods and services used by families impact the environment.)

- HE-6-CD-3 (Analyze environmental impacts when making consumer decisions.)

### English Language Arts:

- ELA-4-R-1 (Understand and respond to a variety of reading materials, making connections to students' lives, to real world issues, and/or to current events.)
- ELA-5-R-1 (Identify meaning from a variety of reading materials, making connections to students' lives, to real world issues, and/or to current events.)
- ELA-6-R-1 (Identify meaning of a variety of reading materials, making connections to students' lives, to real world issues, and/or to current events.)
- ELA-7-R-1 (Identify the meaning of a variety of reading materials, making connections to students' lives, to the real world, and/or to current events.)

### Math:

- M-4-PS-2 (Choose appropriate means to collect and represent data.)
- M-4-PS-4 (Pose questions, collect, organize, and display data.)
- M-4-PS-5 (Draw conclusions based on data.)
- M-4-PS-6 (Make predictions to determine the fairness of possible outcomes of simple probability experiments using a variety of appropriate manipulatives.)
- M-5-PS-2 (Pose questions; collect, organize, display data; and choose an appropriate way to collect and represent data.)
- M-5-PS-5 (Make predictions.)
- M-6-PS-1 (Collect, organize, analyze, and interpret data in a variety of graphical methods, including line plots, line graphs, bar graphs, and stem and leaf plots.)
- M-6-PS-2 (Make predictions, draw conclusions, and verify results from statistical data and probability experiments.)
- M-6-PS-3 (Select an appropriate graph to represent given data.)
- M-7-PS-1 (Collect, organize, analyze, and interpret data in a variety of graphical methods, including circle graphs, multiple line graphs, double bar graphs, and double stem and leaf plots.)
- M-7-PS-2 (Make predictions, draw conclusions, and verify results from statistical data and probability experiments.)
- M-7-PS-3 (Select an appropriate graph to represent given data and justify its use.)

## Core Content

### Science:

- SC-E-SI-2 (Use simple equipment (e.g., magnifiers, magnets), tools (e.g., metric rulers, thermometers), skills (e.g., classifying, predicting), technology (e.g., electronic media, calculators, World Wide Web), and mathematics in scientific investigations.)
- SC-E-SI-3 (Use evidence (e.g., observations, data) from simple scientific investigations and scientific knowledge to develop reasonable explanations.)
- SC-E-SI-5 (Communicate (e.g., draw, graph, write) designs, procedures, observations, and results of scientific investigations.)
- SC-M-SI-2 (Use appropriate equipment, tools, techniques, technology, and mathematics to gather, analyze, and interpret scientific data.)
- SC-M-SI-3 (Use evidence (e.g., computer models), logic, and scientific knowledge to develop scientific explanations.)
- SC-M-SI-5 (Communicate (e.g., write, graph) designs, procedures, observations, and results of scientific investigations.)

### Practical Living:

- PL-E-3.1.5 (There are consumer decisions (e.g., reducing, recycling, and reusing) that have positive impacts on the environment.)
- PL-M-3.1.5 (Environmental issues (e.g., pollution) should be considered when making consumer decisions (e.g., recycling, reducing, reusing).)

### Social Studies:

- SS-M-4.4.1 (Technology assists human modification of the physical environment (e.g., damming a river, irrigating a desert, cooling or heating a living area).)
- SS-M-4.4.4 (Individual perspectives impact the use of natural resources (e.g., watering lawns, planting gardens, recycling paper).)

### Reading:

- RD-E-4.0.6 (Locate and apply information for authentic purposes.)
- RD-M-4.0.11 (Locate and apply information for a specific purpose (e.g., following directions, completing a task).)

### Math:

- MA-E-3.2.2 (Collect, organize, and describe data (e.g., drawings, tables, charts).)
- MA-E-3.2.5 (Make predictions and draw conclusions based on data.)
- MA-E-3.3.1 (How data are used to draw conclusions.)
- MA-M-3.2.2 (Construct and interpret displays of data (e.g., table, circle graph, line plot, stem-and-leaf plot, box-and-whiskers plot).)
- MA-M-3.2.5 (Make predictions and draw conclusions from statistical data and probability experiments.)